

.

Minimum Qualification Specifications
for the Class:

AIR QUALITY ELECTRONICS TECHNICIAN II
(AIR QUAL ELECTRONICS TECH II)

Experience Requirement:

Applicants must possess experience of the kind and quality described below and in the amounts shown below:

Electronics Experience:

- A. General Experience: Two (2) years of experience which involved the maintenance, troubleshooting and repair of electronics equipment. The work must have demonstrated knowledge of the practical application of electronics principles, the ability to recognize improper operation, locate the cause, determine the best method to correct the defect and the skill to disassemble, assemble and adjust electronics equipment. The work must have included evidence of the ability to read and apply manufacturers' specifications, troubleshooting guides, electronic schematics, circuit and wiring diagrams and the ability to use standard tools and test equipment including oscilloscopes, multimeters and signal generators.
- B. Specialized Experience: One (1) year of experience in maintaining and repairing electronic air monitoring equipment such as spectrophotometer, carbon monoxide analyzer, nitric oxide-nitrogen dioxide analyzer or electronic equipment of equivalent complexity and sophistication. The experience must have included the calibration of air quality or equivalent equipment.

Mathematics:

Six (6) months of experience which demonstrated the knowledge of and application of trigonometry.

Concurrent Qualification:

An applicant may combine experience (electronics and mathematics) provided no less than a total of three (3) years of electronics experience of which one year is specialized electronics is shown, and experience must have demonstrated knowledge of all areas and ability to perform as specified. Examples of combination include but are not limited to:

- (a) three (3) years of electronics specialized experience which included application of mathematics as specified; or
- (b) possession of an associate of science degree in electronics technology from an accredited junior college, one (1) year of electronics specialized experience and six (6) months of experience which demonstrated the knowledge of and application of trigonometry.

Supervisory Experience/Aptitude:

For this class, applicants must demonstrate supervisory aptitude. Supervisory aptitude is the demonstration of aptitude or potential for the performance of supervisory duties through successful completion of regular or special assignments which involve some supervisory responsibilities or aspects; by serving as a group or team leader, or in similar work in which opportunities for demonstrating supervisory capabilities exist; by completion of training courses in supervision accompanied by application of supervisory skills in work assignments; or by favorable appraisals by a supervisor indicating the possession of supervisory potential.

Substitutions Allowed:

Substitution of Education for Electronics Experience:

1. Possession of a certificate of achievement (at least 40 semester credit hours) in electronics technology from an accredited junior or community college or approved technical school may be substituted for one and one-half (1-1/2) years of Type A. Electronics Experience.
2. Possession of an associate of science degree in electronics technology from an accredited community or junior college may be substituted for two (2) years of Type A. Electronics Experience.

3. Possession of a bachelor's degree in physics or electronic/electrical engineering from an accredited college or university supplemented by a certificate of completion (at least 23 semester credit hours) or the equivalent in coursework in electronics technology from an approved technical school or community college which provided training in electronics equipment fabrication, repair, troubleshooting and maintenance and the use of standard tools and test equipment may be substituted for two (2) years of Type A. Electronics Experience.

Substitution of Education for Mathematics Experience:

Satisfactory completion of a high school course in trigonometry may be substituted for the experience required.

Quality of Experience:

Possession of the required number of years of experience will not in itself be accepted as proof of qualification for a position. The applicant's overall experience must have been of such scope and level of responsibility as to conclusively demonstrate that he/she has the ability to perform the duties of the position for which he/she is being considered.

Selective Certification:

Specialized knowledge, skills and abilities may be required to perform the duties of some positions. In such positions, certification may be restricted to eligibles who possess the pertinent experience and/or training required to perform the duties of the position.

Agencies requesting selective certification must show the connection between the kind of training and/or experience on which they wish to base selective certification and the duties of the position to be filled.

Tests:

Applicants must qualify on the appropriate examination for the class. For non-competitive actions, the examination may be waived.

Physical and Medical Requirements:

Applicants must be physically able to perform, efficiently and effectively, the essential duties of the position which typically require the ability to read without strain printed material the size of typewritten characters, glasses permitted, and the ability to hear the conversational voice, with or without a hearing aid, or the ability to compensate satisfactorily. Handicaps in these or other areas will not automatically result in disqualification. Those applicants who demonstrate that they are capable of performing the essential functions of the position will not be disqualified under this section.

Any condition which would cause applicants to be a hazard to themselves or others is cause for disqualification.

Any disqualification under this section will be made only after a review of all pertinent information including the results of the medical examination, and requires the approval of the Director.

This is the first minimum qualification specification for the new class AIR QUALITY ELECTRONICS TECHNICIAN II.

Effective Date: May 14, 1985

DATE APPROVED: May 1, 1985

JAMES H. TAKUSHI
Director of Personnel Services